

10593246  
13 SEP 2006  
PATENT  
Atty. Dkt. ZIMR/0048

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371**

In re Application of: Juergen FROSIEN	§ § §	Int'l Application No.: PCT/EP2005/001637
Serial No.: to be assigned	§ § §	Int'l Filing Date: 17 February 2005 (17.02.2005)
Filed: herewith	§ §	Priority Date: 19 March 2004 (19.03.2004)
For: HIGH CURRENT DENSITY PARTICLE BEAM SYSTEM	§ §	

**CERTIFICATE UNDER 37 CFR 1.10**

I hereby certify that this correspondence and the documents referred to as attached therein are being deposited on September 18, 2006, with the United States Postal Service in an envelope as "Express Mail Post Office to Addressee," mailing label No. EV763975515US, addressed to: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

9/18/06  
Date

Kinz Zhe  
Signature

Dear Sir:

**INFORMATION DISCLOSURE STATEMENT**

The Applicants, and the Attorney who signs below on the basis of the information supplied by the inventor and the information in his file, submit herewith patents, publications, or other information of which they are aware, which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR § 1.56.

While the information submitted in this Information Disclosure Statement may be material pursuant to 37 CFR § 1.56, it is not intended to constitute an admission that any patent, publication, or other information referred to therein is prior art for this invention unless specifically designated as such.

In accordance with 37 CFR § 1.97, this Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other possibly material information as defined under 37 CFR § 1.56(a) exists.

Receipt date: 09/18/2006

10/593246

1093246 - GAU: 2881

APP9 Rec'd PCT/PTO 18 SEP 2006

The patents and/or publications submitted herewith are set forth on the attached  
Form PTO-1449.

Respectfully submitted,

*Kim R. Zeh*

---

Keith M. TACKETT  
Registration No. 32,008  
PATTERSON & SHERIDAN, L.L.P.  
3040 Post Oak Blvd. Suite 1500  
Houston, TX 77056  
Telephone: (713) 623-4844  
Facsimile: (713) 623-4846  
Attorney for Applicant(s)

501592v1

10/5932  
10593246 - GALL: 2881  
STO SEP 2008

Approved for use through 09/30/2008, OMB 0651-0031  
**U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE**  
www.uspto.gov/patents-application-process/forms-patent-information-center/omb-forms

Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO				<b>Complete if Known</b>	
				<i>Application Number</i>	PCT/EP2005/001637
				<i>Filing Date</i>	02/17/2005
				<i>First Named Inventor</i>	Juergen Frosien
				<i>Art Unit</i>	Unknown
				<i>Examiner Name</i>	Unknown
<i>(Use as many sheets as necessary)</i>					
Sheet	1	of	2	<i>Attorney Docket Number</i>	ZIMR/0048

## **U.S. PATENT DOCUMENTS**

## FOREIGN PATENT DOCUMENTS

Examiner Signature	/Michael Logie/	Date Considered	05/28/2009
-----------------------	-----------------	--------------------	------------

**\*EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \*Applicant's unique citation designation number (optional).<sup>3</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).<sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.<sup>6</sup> Applicant is to place a check mark here if English language

The collection of information is required by 37 CFR 1.87 and 1.88. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Total will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-8199 and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.L./

10/593246

93246 10599246 - GAU: 2881

— 60 —

10-0 JLX

Approved for use through 04/30/2008. GPO: 2007-09-05  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
is responsive to a collection of information unless it contains a valid OMB control number.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		<i>(Use as many sheets as necessary)</i>	<i>(Use as many sheets as necessary)</i>
<i>Sheet</i>	<i>2</i>	<i>of</i>	<i>2</i>
		<i>Attorney Docket Number</i>	ZIMR/0048
		<i>Application Number</i>	PCT/EP2005/001637
		<i>Filing Date</i>	02/17/2005
		<i>First Named Inventor</i>	Juergen Frosien
		<i>Art Unit</i>	Unknown
		<i>Examiner Name</i>	Unknown

Examiner Signature	/Michael Logie/	Date Considered	05/28/2009
-----------------------	-----------------	--------------------	------------

**\*EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FILES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.